

### Glass Cleaning

#### DO NOT SPRAY OR POUR WATER DIRECTLY INTO THE LANTERN

When cleaning the glass be sure to turn the gas or electric fixture off. Using a clean cotton cloth dampened with glass cleaner, remove any dust and dirt from the glass panels. This will greatly enhance the beauty of the gas flame and electric light source.

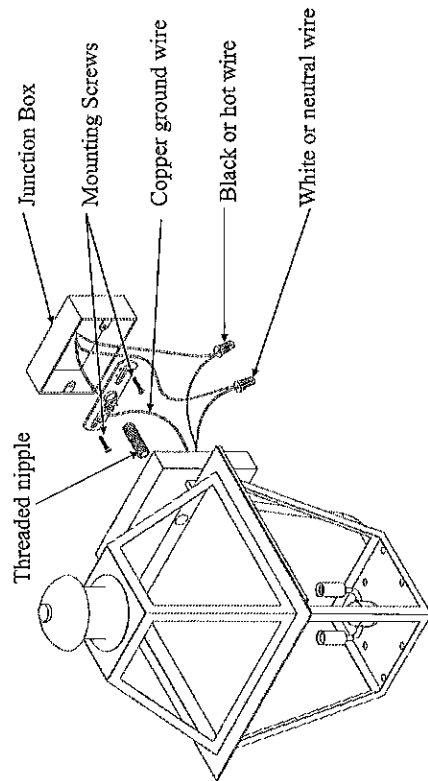
### Exterior Finish

Copper is a natural element that will patina over time. The finish can be maintained using a Scotch Bright or Steel Wool pad and gently buffing the finish to the desired color. A light coat of ordinary car wax applied to the surface and buffed will delay the patina process depending on the atmospheric conditions where the lantern is installed.

### Electric Lantern Installation

THIS INSTALLATION SHOULD BE PERFORMED BY A QUALIFIED  
LICENSED ELECTRICIAN

1. Make sure that all power to the installation point is turned OFF.
2. Follow steps 1 through 5 in the Gas Lantern Installation section on page 2.
3. Connect the building ground wire and the lantern ground wire to the mounting strap using the ground wire retaining bolt.
4. Connect the white wire to the neutral wire and the black wire to the hot wire coming from the junction box using the wire nuts. (Supplied) It is recommended that the common and hot wire connections be carefully wrapped with approved electrical tape.
5. Carefully tuck all wires into the junction box. Make sure that no wires can be pinched or trapped between the mounting surface and mounting plate on the lantern.
6. Place the center hole of the mounting bracket over the threaded nipple and secure the lantern using the brass cap nut. (Supplied)
7. Install the light bulbs. (See fixture markings for maximum bulb wattage.)
8. Restore the power to the installation point.



### INSTALLATION AND SAFETY INSTRUCTIONS FOR GAS LANTERNS

#### NOTE:

INSTALLATION INSTRUCTIONS ARE TO BE LEFT WITH THE CUSTOMER  
AND RETAINED FOR FUTURE REFERENCE

#### FOR YOUR SAFETY IF YOU SMELL GAS:

1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, immediately call your gas supplier.

#### FOR YOUR SAFETY

Do not store or use gasoline or any other  
flammable vapors and liquids in the vicinity  
of this or any other gas appliance.

#### IMPORTANT INSTALLATION REQUIREMENTS

1. Gas lanterns should be installed by a licensed qualified installer and in compliance with local coded and regulations, or in absence of local codes, in compliance with National Fuel Gas Code, ANSI Z223.1.1.
2. Although each lantern is equipped with a shut-off valve it is recommended that an additional valve be installed between the lantern and the gas supply line.
3. Gas lanterns are equipped with burners that are designed to use 1/4" semi-rigid internally finned copper tubing.
4. Gas and electric lanterns use post mounts that are designed to be mounted on a 3" outside diameter round post.
5. All gas connections should be thoroughly checked for leaks before lighting the lantern.
6. The maximum gas pressure for a natural gas lantern in 7" of water column and a minimum of 4.5" of water column.
7. The maximum gas pressure for a propane gas lantern in 11" of water column and minimum of 7" water column.
8. If two or more lanterns are supplied by the one gas line, proper gas line sizing is required. Gas regulators should be installed to assure pressures do not exceed the maximum gas pressures for the type of gas being used.
9. Gas lanterns should be installed with a minimum of 12" vertical clearance from the top of the lantern and 6" of horizontal clearance from any combustible materials.
10. Surfaces of gas lanterns become very hot during normal use and could cause burns if contacted accidentally.
11. Gas lanterns should be installed in well ventilated areas and well out of the reach of children and animals.
12. All gas lantern are for outdoor use only.

## Gas lantern installation

1. Remove the lantern from the packing and inspect for any damage that may have occurred during shipping.
2. Make sure that all hardware that is shown on Figure 1 is inside the parts bag.
3. Attach the mounting strap to a standard 4"x4"x2" junction box. If mounting to a masonry surface it will be necessary to use the appropriate anchors. If mounting to a wood surface it will be necessary to use the appropriate wood screws.
4. Screw the threaded nipple into the mounting strap leaving approximately 1 1/8" of threads extended out past the mounting strap.
5. Place the center hole of the mounting bracket over the threaded nipple and secure the lantern using the brass cap nut. Use a pair of adjustable pliers to tighten the cap nut. **IT MAY BE NECESSARY FOR TWO PEOPLE TO PERFORM THIS STEP**
6. Attach the gas line using a 1/4" flare fitting.

**Note:** This step should be performed by a licensed professional.

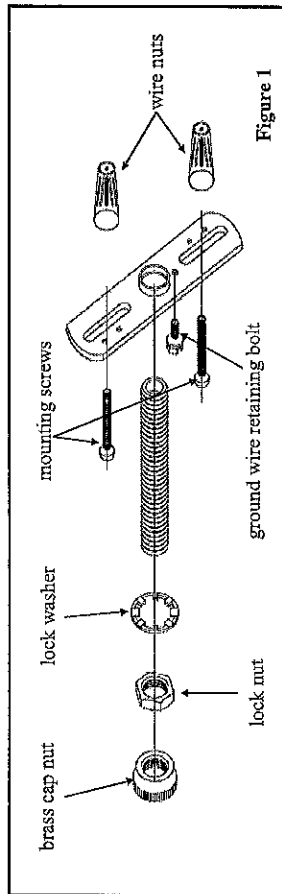
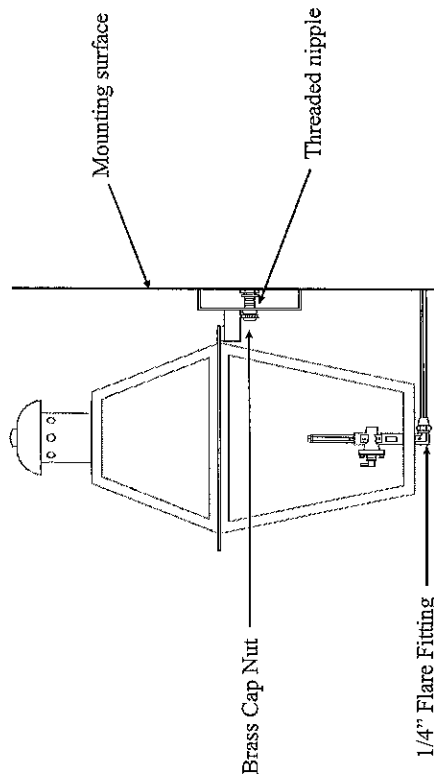


Figure 1



## Testing the gas lines for leaks

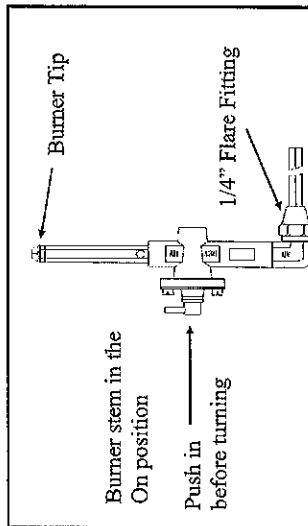
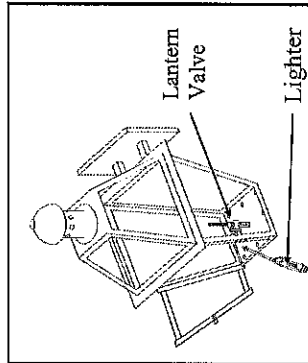
1. Make sure the gas valve is in the off position.
2. Turn on the main gas supply valve.
3. Using a soapy water or other approved testing solution, spray all gas connections and check for any visible gas leaks. This will normally be seen as soap bubbles.
4. **Correct any gas leaks and retest before proceeding to the next step.**

## Lighting Instructions

**Important note:** The gas valve stem must be depressed before turning.

1. Turn on the gas supply valve supplying gas to the lantern.
2. Turn the lantern valve to the on position.
3. Wait for approximately 2 minutes.
4. Turn the lantern valve off and wait for approximately 2 minutes.
5. Turn the lantern valve to the on position.
1. Using a long stem Bar-B-Q grille lighter, light the flame at the base of the burner tip and adjust the flame to the desired height.

**Note:** If the burner does not light, it may be necessary to purge the gas lines by turning the gas valve on the lantern to the on position for a longer period of time to allow the gas to fill the gas lines. If after following this procedure, the burner does not light, turn off the main gas supply valve and the burner valve and call your local gas utility to assure you do not have any gas pressure problems or gas leaks.



## Burner Maintenance for Gas Lanterns

Depending on the quality of the gas that is being supplied by your gas utility and if you are using propane or LP gas, it may be necessary to periodically clean the burner tip to maintain the proper flame pattern. This can be accomplished by using a piece of dental floss as shown below.

